

***LineUp With Math™* Alignment**  
**2007 Mississippi Mathematics Framework**

**Content Strand: Number and Operations**

**Competency 1. Apply concepts of rational numbers and perform basic operations using non-negative rational numbers emphasizing the concepts of ratio, proportion, and percent. Implement concepts with and without the use of calculators.**

**Objectives/Benchmarks**

e. Solve problems using decimals, fractions, and/or percents.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

j. Solve problems involving proportions and scale drawings.

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

k. Calculate and apply unit rates to real-life situations.

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

n. Determine percent of increase and decrease.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.